## ISSUE SUIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID NO. | DATE     |  |  |
|---------------------|----------|--------|----------|--|--|
| FEE DETERMINATION   | 80       | 71058  | 12.3.98  |  |  |
| O.I.P.E. CLASSIFIER |          | 18/    | 12/5     |  |  |
| FORMALITY REVIEW    | 117      | 6007   | 12/18/98 |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | <br>N | Non-elected  |
|---|----------------------------|-------|--------------|
|   | Allowed                    | 1     | Interference |
| _ | (Through numeral) Canceled | Α     | Appeal       |
| ÷ | Restricted                 | 0     | Objected     |

|  | Claim Date                              |            |              |          |                |           |                         |                   |            |              |          |               | l                  |
|--|---|------------|--------------|----------|----------------|-----------|-------------------------|-------------------|------------|--------------|----------|---------------|--------------------|
|  | <del> </del>                            | <u> </u>   | 2            |          | 6.             | 3         |                         | Ē                 |            |              |          | _             |                    |
|  |   | 쿌.         | 3/2/8        | 190      | 14             | 12        | 3/17/2                  |                   |            |              | 1        | i             | 1                  |
|  | Final                                   | Sriginal   | 10           | /        | 冫              | 139       | バ                       |                   |            |              |          |               |                    |
| -  | Ē                                       | Q          | 49           | án       | 60             | ol<br>ol  | C١                      |                   |            |              |          |               |                    |
|  |   | (7)        | 4            | V        | <b>&gt;</b>    | V         |                         |                   |            |              |          |               | Ì                  |
|  | ┢                                       | 1          | <u>۲</u>     |          | Ė              |           |                         |                   |            | Г            | _        |               | 1                  |
| ٠  | <del> </del> —                          | 4          | -            | -        | _              | -         |                         |                   |            | $\vdash$     |          | _             | ı                  |
|  | _                                       | 1          | <u>k</u> _   |          | _              | _         | _                       | _                 |            |              | _        | _             |                    |
|  |   | М          | _            |          | _              | _         |                         |                   |            |              |          | _             |                    |
|  | E                                       | K          | <u> </u>     | <b>✓</b> | V              |           | ✓                       |                   |            |              |          |               |                    |
|  | 2                                       | ₹.         |              |          | П              | V         |                         |                   |            |              |          |               |                    |
|  | K                                       | 7          | f            | П        | П              | Г         |                         |                   |            |              |          |               | 1                  |
| . '  | 7                                       |            | !!           | +        | H              | 17        | V                       | _                 |            |              |          | $\overline{}$ | 1                  |
| `  | ┝                                       | 7          | H            | ╁╁       | Н              | ř         | <b>├</b>                | ┝                 | -          | -            | _        | $\vdash$      | 1                  |
|  | А                                       | 100        | и            | ᆛᆛ       | Н              | ⊢         | ┢                       | <u> </u>          | -          |              | -        | ⊢             |                    |
|  | <u>_</u>                                | 1          | 4            | $\vee$   | يدا            |           |                         |                   | _          | Ľ            |          |               |                    |
|  |   | 1          | ı İ          | N.       | 2              | . 1       | N                       |                   |            |              |          |               |                    |
|  |   | 12         | П            | Π        | $\Box$         | :         | 1                       |                   |            | Π            |          |               | 1                  |
|  | 厂                                       | 12         | Ħ            | $\Box$   | 1              | ✝         | П                       | Г                 |            |              |          |               | 1                  |
|  | 1200                                    | 14         | H            |          | ┝╂             | 1         | H                       | 1                 |            | $\vdash$     | <u> </u> | $\vdash$      | 1                  |
|  | ۱.,                                     | H          | ╌            | H        |                |           | ┼┼                      | -                 | *.         |              | -        | Η-            | ŀ                  |
|  | Ľ                                       | 15<br>18   | Ц            | 1        | Ш              |           | Н                       | 31                |            | -            |          | -             | -                  |
|  | Ŀ                                       |            | - '          | 14       | 1              | 7         | 14                      | 1                 | . 7        | **           | 3.5      | 34            | 1                  |
|  |   | 17         | +            | N        | H              | 1,6       | N                       | 7                 | ÇÇ.        | 1            | .7       |               |                    |
|  | 22,                                     | 18         |              |          | V              | v         | V                       | $\mathcal{H}_{i}$ | 1          |              | **       |               | 1                  |
| 1  | 77                                      | 12         | _            | 3        |                | 27        | 1.7                     |                   | 43         | 3.5          | 377      | 7             |                    |
| 9  | K.                                      | 200        | -            | .7.      | +              | ×         | 200                     | 3.7               | 2          | 20.          | ٤        | **            |                    |
| 1  | Ì۵.                                     | 20         | _            | 影響       | $\overline{E}$ | V.        | N                       | ?*§               | 28         | í            | 섫        |               | Γ.                 |
| 1  | 图                                       | 1/         | 1.5          | 5.3      | N              | 4,1       | :28                     | 13                | 漢案         | 3            | 14       | 49            | Ŀ                  |
| 7  | 44                                      | 22         | 3            | :21      | 123            | 10        | 71                      | 15-2              | 经          | Ä            |          |               | L                  |
|  | 经设置                                     | 22<br>23   | X)           | 放展的      | 1              | なる。       | 强温器                     | 350               | 913        | 垅            | 芦灣       | 心物體深          |                    |
| ٧  |   | 24         | 94           | 8.7      | 233            | 35-1      | 53                      | 報の認知              | 整理多線       | 711          | 1        | 72            | ここと、子門門は京京加州田間は成大大 |
|  | 94                                      | -7         | 3.5          | 17 W     | 現場の            | 2.3       |                         | 22                | 23         | 774          | **       | 725           | 3                  |
| ٩  | 27                                      | 25         | 4            | 到        | .4.4           |           | 315                     | 100               |            | -            | Œ        | 3             | 1                  |
| Н  | 2                                       | 26         | 淵            | 73       | 113            | 7.3       | 4.0                     | 撤                 | *          | (7)          | W.       |               | 1                  |
| 7  | 1                                       | 27         | 94           | 13       | 語文             | 1         | u'd                     | 1.7               | 學學學院       | 133          | 13.)     | 多数多           | 1                  |
| i  | 14                                      | 28         | 311          | 沙        | ·7*            |           | 4                       | 313               | (iii       | 14           | Ś.       | 可容易           | ŀ                  |
| H  | 11.6                                    | 29         | 22           | £33      | 19             | 150       | 3                       | 卷灣窓               | 70         | 1.74         | 75       | W             |                    |
| ï  | 22.0                                    | 8          | 33           | 34       | 38             | 灣         | 200                     | 73/3              | ***        | 多多           | 31       | 7.7           |                    |
| Í  | J. F                                    |            | 116          | 27.1     | (C) 3          | *         |                         | 21.1              | 12         | 347          | 203      | 37            |                    |
| 4  | ۸٧                                      | 31         | 1,5          | 絥        | M              | 14        | 1,1                     | 1.7               | 43         | 120          | 197      | 0.2           | 1                  |
| The second secon | <b>医阿拉克斯斯斯氏 医</b>                       | 윉쑮         | 16           | χX       | 纳              | <b>建</b>  | 11                      | μ,                | 30         | 意图           | 発光       | 945<br>1346   |                    |
| ار   | 31                                      | 3\$        | 19           | ٧,٠      | V              | 14        | 4.4                     | . r.              | *          | t k          | 14       | 1             | Ý                  |
| d  | 143                                     | 34         | 23           | :3       | ۶,             | Ċ,        | 4                       | 4                 | 11         | "" <u>'</u>  |          | :0 1          | P.                 |
| Ċ  | à                                       | 35         | 3            | 4.1      | (S)            | 7         | 13                      | · ·               | 3          | 3 1          |          | 经普里曼          | F 486 1 75         |
| إز   | 72                                      | 38         | 15           | 37,      |                | 77        | . · · · · ·             |                   | 3          | 201          |          | 35            | 1                  |
| şi   |   |            | 100          | 477      | 14             | <u> </u>  | 46                      | 1.0               | 151        | 1            | 76       | 33.           | 1                  |
| į  | Ţ                                       | 37         | 1,5          | 100      | 2              | i         | K y                     | vit.              | 1          | ō            |          | ٠2            | ×                  |
|  | są.                                     | 38         | 32.          | 3        | , i            | \$        | $\hat{\mathcal{T}}_{i}$ |                   | 13%        | 7            | 4        | 1:            | ١.                 |
| ì  | . **                                    | 39         | 1            | 175      | 1.2            |           |                         | λ,3               |            | Υ.,          | 14       |               | ,                  |
| H  | 1                                       | 40         |              | 派义       | 8.7            | # 7       |                         | ŝ.                |            | ; ·>         |          |               | ١.                 |
| l  | 7                                       | -          | 20           |          |                | $\vdash$  | -                       | - 5               | ÷          | H            | ÷        | -             |                    |
|  | 17                                      | 41         | 37 (2)       | 100      | 7              | 4.9       |                         |                   | <i>:</i> : | ٠            | <u>_</u> | -             | 1                  |
| ا:   | 47                                      | 42         | 75           | 4        | ŧŧ             | **        | 15                      | 'ní               | 4          | 130          | ٠٠       | نا            | 1                  |
| ١  | **                                      | 43         | τ,           | 1.       |                | 2         | 1.3                     | .,4               |            | ·            | Ī        |               | ١                  |
|  | ü                                       | 244        | _            |          | г              | •         |                         | 1                 | 7          | 1.           | -        |               | 1                  |
| ز:   | ا ـُـــــــــــــــــــــــــــــــــــ | 45         | <i>*</i> 1.5 | , i      | . کین<br>د     | 1./<br>13 | t d                     | ÷٠                | -          | H            | <u> </u> | 1-            | -                  |
| 9  |   | **         | H            |          | ┝┷             | * *       | $\vdash$                |                   | <u>:</u>   | ├-           | $\vdash$ | H             | ┨.                 |
|  | • • •                                   | 46         |              |          | Ŀ              | _         | <u> </u>                | Ŀ                 | <b>—</b>   | <b>!</b> —   | <u> </u> | $\vdash$      | 1                  |
| i  | <u>'-</u>                               | <b>4</b> 7 |              |          |                | ψ.        | Ŀ                       | L                 | <u> </u>   | $oxed{oxed}$ | L_       | $oxed{oxed}$  |                    |
| ţ  | 11                                      | 48         | 2            |          |                | Γ.        | ! _                     |                   | . (        |              |          | 1             | 1                  |

| Cla              | im       | Date     |           |          |          |                                     |          |                    |            |              |          |  |  |
|------------------|----------|----------|-----------|----------|----------|-------------------------------------|----------|--------------------|------------|--------------|----------|--|--|
| Final            | Original |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 51       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 52       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 53       |          |           |          |          |                                     | 7        |                    |            |              |          |  |  |
|                  | 54       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
| Г                | 55       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 56       | Ì        |           |          | Г        |                                     | Г        |                    |            |              |          |  |  |
| Г                | 57       |          |           |          |          |                                     | Г        |                    |            |              |          |  |  |
| Г                | 58       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
| Г                | 59       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 60       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 61       |          |           |          |          |                                     |          |                    |            |              | Party.   |  |  |
|                  | 62       | _        |           |          | L        |                                     |          |                    |            |              | Ц        |  |  |
| 匚                | 63       | L        | <u> </u>  | <u> </u> | L        | L                                   | L        | igspace            | L          | <u>L</u>     | Ш        |  |  |
| <u> </u>         | 64       | L        |           | L        | L        | -                                   | ļ        | <u> </u>           | _          | L            | Ш        |  |  |
| _                | 65       | L        | <u> </u>  | _        | 匚        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L.       | ļ                  | <u> </u>   | $oxed{oxed}$ | Ш        |  |  |
| <u> </u>         | 66       | ~        | ·         |          |          | L                                   | L        | $\vdash$           | L.         | <u> </u>     | Ш        |  |  |
| L                | 67       | L.       | _         |          | _        |                                     | _        |                    | _          |              |          |  |  |
| -                | 68       |          | _         |          | $\vdash$ |                                     | _        |                    |            |              | Н        |  |  |
| -                | 69       | Ш        | <u> </u>  | _        | <u> </u> | _                                   | _        | _                  |            | _            | Ш        |  |  |
| ــنــا           | 70       | ,        | Ŀ         | Ļ.,      | Ш        |                                     | Щ        |                    |            | Ш            | Ц        |  |  |
| 7                | 71       |          | _         | Ĺ.,      |          | Ļ                                   |          | lacksquare         |            |              | Ш        |  |  |
| ١٧.              | 72       |          | -         |          |          | Ĺ                                   | Ŀ        | lacksquare         |            | _            | Ш        |  |  |
| 3.1              | 73       |          |           | 3/2      | 7.       |                                     |          | $oxed{oxed}$       | _          | _            | Н        |  |  |
| 五世 弘 熟 選 雜 以 但 马 | 74       |          |           | 1        | *#       |                                     |          | Ŀ                  |            | _            | Н        |  |  |
| ***              | 75       |          | *         | 322      |          | 7                                   |          | -                  |            | -            | -        |  |  |
| 9.5<br>-7        | 76       | 1        | <u>'`</u> | -        | M.       | Н                                   |          | -                  |            | $\vdash$     | Н        |  |  |
| 33<br>33         | 77<br>78 | ा स      | *         |          |          | Ŀ                                   | H        | <u> </u>           | -          |              | Н        |  |  |
| 3                | 79       |          |           |          |          | 14                                  | ું       | $\vdash$           | -          |              | Н        |  |  |
| . 7              | 80       | -        |           |          | -        | -                                   |          | $\vdash$           |            | -            | Н        |  |  |
|                  | 81       | Y I      |           | $\vdash$ | *        | 1                                   | -        | H                  | $\vdash$   | -            | Н        |  |  |
| 3                | 82       | 1        |           | -        | H        | -                                   |          | $\vdash$           |            | ┝            | H        |  |  |
|                  | 83       |          | Ι         | $\vdash$ | $\vdash$ | Н                                   | H        | Н                  | М          | Н            | $\vdash$ |  |  |
|                  | 84       |          | г         | Ι-       | Т        | Г                                   |          | Г                  | Т          | П            | П        |  |  |
|                  | 85       |          |           | Г        | Г        | Τ,                                  | Г        |                    |            |              | П        |  |  |
|                  | 86       |          |           |          |          |                                     |          | Г                  |            |              |          |  |  |
|                  | 87       | Г        |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 88       |          |           |          |          |                                     |          |                    |            |              |          |  |  |
|                  | 89       |          |           |          |          | L                                   |          |                    |            |              |          |  |  |
| L                | 90       | L        | L         |          |          |                                     | L        |                    | L          |              | Ш        |  |  |
|                  | 91       |          |           |          |          |                                     | Ĺ        | $oxedsymbol{oxed}$ | Ĺ          |              | Ш        |  |  |
|                  | 92       |          |           |          |          | $\Box$                              | $\Box$   | 匚                  |            |              | Ш        |  |  |
| 匚                | 93       | Ĺ        | _         | Ĺ        | L        | _                                   | $\vdash$ |                    | L          | <u>L</u> .   | Ш        |  |  |
| L                | 94       | L        | L         | L        | 匚        | L                                   | L_       | L                  | L          | L            | Ш        |  |  |
| $\vdash$         | 95       | L        | <b>L</b>  | Ļ        | 1        | L                                   | $\vdash$ | ㄴ                  | <u> </u> _ | <b> </b>     | Н        |  |  |
| <u></u>          | 96       | $\vdash$ | <u> </u>  | _        |          | $\vdash$                            | <u> </u> | <u> </u>           | $\vdash$   | $\vdash$     |          |  |  |
| $\vdash$         | 97       | L        | L         | L        | ⊢        | _                                   | <u> </u> | <b>-</b>           | <u> </u>   | <u> </u>     | Н        |  |  |
| <u> </u>         | 98       | $\vdash$ | $\vdash$  | ⊢        | <u> </u> | <u> </u>                            | $\vdash$ | $\vdash$           | ⊢          | $\vdash$     | H        |  |  |
| $\vdash$         | 99       | -        | -         | -        | -        | $\vdash$                            | ⊢        | $\vdash$           | ⊢          | -            | ┥        |  |  |

| · · · · · · · |            | Ap       | erfe<br>pea<br>ject | ıİ       | ice      |          |               |          |          |          | \<br> <br> <br> |  |  |  |
|---------------|------------|----------|---------------------|----------|----------|----------|---------------|----------|----------|----------|-----------------|--|--|--|
| Cla           | im         |          |                     | _        |          | Date     |               |          |          |          |                 |  |  |  |
| Final         | Original   |          | :                   |          |          |          |               |          |          |          | α               |  |  |  |
|               | 101        |          |                     |          |          |          |               |          |          |          |                 |  |  |  |
|               | 102<br>103 | _        | _                   | <u> </u> | -        | L        | H             |          |          |          |                 |  |  |  |
|               | 104        | _        | -                   | -        | -        | -        | -             |          |          |          | -               |  |  |  |
|               | 105        | -        | -                   | T        |          |          | П             |          |          |          |                 |  |  |  |
|               | 106        |          |                     |          |          |          |               |          |          |          |                 |  |  |  |
|               | 107<br>108 |          | <u> </u>            | L        | L        | L        | H             |          |          |          | <u> </u>        |  |  |  |
|               | 109        | -        | $\vdash$            | $\vdash$ | H        | -        |               |          |          |          |                 |  |  |  |
|               | 110        | ┪        | $\vdash$            |          |          |          |               | -        | _        |          |                 |  |  |  |
|               | 111        |          |                     |          |          |          |               |          |          |          |                 |  |  |  |
|               | 112        |          | L                   | L        | L        | <u> </u> | H             | _        | _        | _        | ļ.,             |  |  |  |
|               | 113<br>114 |          | -                   | ┝        | -        | -        | H             |          |          | Н        |                 |  |  |  |
| _             | 115        |          | -                   | H        | Н        | H        |               |          |          |          |                 |  |  |  |
| _             | 116        |          |                     |          |          |          |               |          |          |          |                 |  |  |  |
|               | 117        |          |                     | _        |          |          |               |          |          |          |                 |  |  |  |
|               | 118<br>119 |          | -                   | -        | -        |          | Н             |          |          | -        |                 |  |  |  |
| _             | 120        |          | -                   | _        | ,        | $\vdash$ | Н             |          |          |          | 1.6             |  |  |  |
| 7.            | 121        |          |                     | -        | r        | H        | Н             |          | •        |          | - 7             |  |  |  |
| ٠             | 22         |          |                     |          |          | _        | ,             |          |          |          | *               |  |  |  |
|               | 123<br>124 | ٠        |                     |          | L        | :        | 1             |          |          | ÷.       | 7               |  |  |  |
|               | 125        |          |                     | -        |          |          |               |          | 7.5      | *        | 软件              |  |  |  |
|               | 126        | *:-      | -                   | _        |          |          |               | -        |          |          | 1               |  |  |  |
|               | 127        |          |                     |          |          |          | ·             |          | _        |          | >74             |  |  |  |
|               | <b>28</b>  | Ŀ        |                     | L        | L        | _        |               |          | ٠,       | -        |                 |  |  |  |
|               | 129<br>130 | _        | H                   | H        | H        | H        | -             |          | <u> </u> |          | 4.5             |  |  |  |
|               | 131        |          |                     | П        | H        | Н        | П             |          |          |          |                 |  |  |  |
|               | 132        |          |                     |          |          |          |               |          |          |          | 7,8             |  |  |  |
|               | 133<br>134 | _        | _                   | $\vdash$ | $\vdash$ | L        | _             | _        | ·        | _        |                 |  |  |  |
| _             | 135        | _        |                     | Н        | $\vdash$ | ⊢        | $\vdash$      | -        | H        | -        |                 |  |  |  |
| _             | 136        |          |                     | H        | Н        | Г        |               | _        |          |          | 100             |  |  |  |
|               | 137        |          |                     |          |          |          |               |          |          |          | ·               |  |  |  |
|               | 38         | _        | L                   | L        | -        | _        | <u> </u>      | L        | $\vdash$ | ┡        |                 |  |  |  |
| _             | 139<br>140 | -        | -                   | _        | $\vdash$ | -        | $\vdash$      | H        | H        | ┝        | $\vdash$        |  |  |  |
| _             | 141        | _        | $\vdash$            | -        | -        | ┢        | $\vdash$      | H        | -        | Н        | ┝               |  |  |  |
|               | 142        |          |                     |          |          | -        |               | H        | _        |          |                 |  |  |  |
|               | 143        |          |                     |          |          |          |               |          |          |          |                 |  |  |  |
|               | 144<br>145 | <u> </u> | Ļ                   | ⊢        | Ļ        | _        |               | <u> </u> | <u> </u> | igspace  | $\vdash$        |  |  |  |
|               | 146        |          | $\vdash$            | $\vdash$ | -        | -        | <del> -</del> | ┝        | ⊢        | -        | $\vdash$        |  |  |  |
|               | 147        |          |                     | -        | -        | $\vdash$ | $\vdash$      | $\vdash$ |          | $\vdash$ | -               |  |  |  |
|               | 148        |          |                     |          |          |          |               |          |          |          |                 |  |  |  |
|               | 149        |          |                     |          | 匚        |          |               | 匚        |          | Ļ.       | <u> </u>        |  |  |  |
| L             | 150        | _        |                     | <u> </u> | _        | L        | Щ             | <u></u>  | <u> </u> | <u> </u> | Ц.              |  |  |  |

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